

POWER SUPPLY VOLTAGE SWITCH CIRCUIT

Abstract

A power supply voltage switch circuit for selecting a power supply voltage of an integrated circuit according to a first control signal. The power supply voltage switch circuit contains a high voltage selecting module for generating an output voltage according to the higher of a first and a second voltages; a level shifting module electrically connected to the high voltage selecting module to receive the output voltage as power supply, for performing level shifting to a first control signal according to the output voltage; and a selecting switch module electrically connected to the level shifting module for selectively outputting the first or the second voltage as the power supply voltage of the integrated circuit according to the level-shifted first control signal.